

HYDRAULIC ENGINEERING FIELD REPORT

I. HYDRAULIC AND HYDROLOGICAL DATA REQUIRED FOR ALL EXISTING OR PROPOSED BRIDGE STREAM CROSSING PROJECTS

Α.	Pro	oject Location							
			County:		District:				
			Stream Name:	Date:	Route:				
В.	Site Information Floodplain and Stream Channel description:								
	1.	Flat, rolling, mo	untainous, etc.:						
	2.	Wooded, heavi swampy, etc.:	y vegetated, pasture,						
	3.	Stream channel	description: well-defined banks, n	neandering, debris, et	c.				
	4.	-	in the upstream or downstream flo	oodplain, which will af	fect the natural				
C.	Required Existing Bridge Information at Project Site								
	1.	Bridge Identific	ation No.:						
	2.	Date Built:							
	3.	Skew angle of b							
	4.	_							
	Sut	ostructure Inforr Column type (c etc.):							
	2.	Size of columns	:						
	3.	Number of colu	ımns per bent:						
	4.	Guide Bank (Sp	ur Dike) length, elevation and loca	tion (if applicable):					
	5.	Note any scour	problems at intermediate bents o	r abutments:					

D. Normal Water Surface Data



Note: The above information is required for all bridges within the floodplain (main and overflow bridges) along the roadway. In addition, the location, size and number of barrels are required for all box culverts located within the floodplain.

			WS ELEV					
	50	00 feet upstream of survey centerline:						
	At	t the survey centerline:						
	50	00 feet downstream of survey centerline:						
	No	ormal high tide:						
	N	ormal low tide:						
Ε.	His	storical Flood Data						
	1.	Extreme high water elevation at site:	Date:					
	2.	Highest observed tide elevation:	Date:					
	3.	Location of extreme high water elevation (upstream/downstream face of bridge at the centerli or station and offset if not at bridge):						
	4.	Source of high water information:						
	5.	Location and floor elevation of any houses/buildings/structures that have been flooded						
	6.	Information about flood (number of times structure has been flooded, water surface elevations and date(s) of flood):						
	7.	Location and floor elevation of any houses/buildings/structures that have floor elevations within 2 feet of the extreme high water elevation:						
F.		nchmark Information cation 1:						
	1.	Benchmark Name:	Elevation:					
	2.	Location (project stations/offset):						
		Northing:	Easting:					
	3.	Physical description:						
	Loc	ocation 2:						
	1.	Benchmark Name:	Elevation:					
	2.	Location (project stations/offset):						
		Northing:	Easting:					

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	3.	3. Physical description:					
	Loc	ation 3:					
	1.	Benchmark Name: Elevation:					
	2.	Location (project stations/offset):					
	2	Northing: Easting:					
_	3.	Physical description:					
G.	Ups	ostream and Downstream Structures					
		ucture 1					
	1.	Structure Type (railroad/highway bridge, culvert):					
	2.	Route Number (if applicable):					
	3.	Distance from proposed structure along stream centerline:					
	4.	Length of bridge or culvert size:					
	5.	Superstructure (slab thickness, beam depth):					
	6.	Substructure information:					
	7.	Column Type (concrete, steel, etc.):					
	8.	Size of Column:					
	9.	Number of Columns per bent:					
	Stru	ucture 2					
	1.	Structure Type (railroad/highway bridge, culvert):					
	2.	Route Number (if applicable):					
	3.	Distance from proposed structure along stream centerline:					
	4.	Length of bridge or culvert size:					
	5.	Superstructure (slab thickness, beam depth):					
	6.	Substructure information:					
	7.	Column Type (concrete, steel, etc.):					
	8.	Size of Column:					
	9.	Number of Columns per bent:					
	Stru	ucture 3					
	1.	Structure Type (railroad/highway bridge, culvert):					
	2.	Route Number (if applicable):					
	3.	Distance from proposed structure along stream centerline:					
	4.	Length of bridge or culvert size:					
	5.	Superstructure (slab thickness, beam depth):					
	6.	Substructure information:					
	7.	Column Type (concrete, steel, etc.):					
	8.	Size of Column:					
	9.	Number of Columns per bent:					

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NOTE: The above information is required for all bridges or culverts, which lie within 2000 feet upstream and downstream from the project bridge, unless otherwise directed by the Office of Bridge Hydraulics.

H. Miscellaneous Information

1.	Are there water surfaces affected by other factors (high water from other streams, reservoirs, etc.):
2.	Give location (horizontal distance to dam or spill way along stream centerline), length, width and elevation of dam and spillway, if applicable:

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